

DEFT INC CHEMICAL COATING DIV -- 03GN137C CAT, MIL-C-46168, 0. DRAB, TYPE II --
8010-01-146-2650

===== Product Identification =====

Product ID:03GN137C CAT, MIL-C-46168, 0. DRAB, TYPE II

MSDS Date:11/16/1985

FSC:8010

NIIN:01-146-2650

MSDS Number: BGNWP

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

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Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

CAGE:33461

=== Contractor Identification ===

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Phone:949-474-0400

CAGE:33461

===== Composition/Information on Ingredients =====

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)

CAS:822-06-0

RTECS #:MO1740000

Fraction by Wt: 75%

Other REC Limits:TLV=0.02 PPM

ACGIH TLV:0.005 PPM; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 15%

Other REC Limits:N/K

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200STEL;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 15%

Other REC Limits:N/K

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification
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LD50 LC50 Mixture:N/K

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:(SEE EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity:N/A

Effects of Overexposure:INHAL:IRRIT OF THE RESP TRACT & ACUTE NERVOUS
SYS DEPRESS CHARACTERIZED BY YHE FOLLOWING PROGRESSIVE STEPS:HDCH,
DIZZ, STAG, GAIT, CONFUSN, UNCON OR COMA. ACUTE:SKIN & EYE CONTACT:
PRIMARY IRRIT. CHRO NIC: RE

PEATED OVEREXPOSURE MAY RESULT IN
ALLERGIC SENSITIVITY.

Medical Cond Aggravated by Exposure:RESPIRATORY TRACT IRRITATION
DERMITITIS, NAUSEA, VOMITING.

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===== First Aid Measures =====

First Aid:VAPORS:REMOVE FROM EXPOSURE, RESTORE BREATHING, KEEP WARM &
QUITE, NOTIFY A PHYSICIAN. SPLASH(EYES):FLUSH FOR 15 MINUTES, TAKE
TO A PHYSICIAN FOR MEDICAL ATTENTION. SPLASH(SKIN):WASH AFFECTED
AREAS WI TH WATER. REMOVE CONTAMINATED CLOTHING CONSULT

A

PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:73 F (23 C)

Lower Limits:1.0

Upper Limits:N/K

Extinguishing Media:FOAM, CO*2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:USE NIOSH/MSHA APVD SCBA & FULL PROT EQPT .

USE PROT EQPT & SCBA. H*20 FOG MAY BE USED TO COOL CNTNR TO PVNT PRESS BUILD-UP IN CLOSED CONTAINERS.

Unusual Fire/Explosion Hazard:KEEP CNTNR TIGHTLY CL. ISOL FR HEAT,ELEC EQPT, SPK & OPEN FL

AME. CL CNTNR MAY EXPLD WHEN EXP TO EXTM HEAT.

APPL TO HOT SURF REQUIRES SPECIAL PRECAUTIONS.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION (FLAME, HOT SURFACES, SPARK SOURCES). AVOID BREATHING VAPORS. CONTAIN & REMOVE WITH INERT ABSORBENT & NON-SPARKING TOOLS.

Neutralizing Agent:N/K

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY

WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, SPARK SOURCES.

Other Precautions:KEEP CNTNR TIGHT & UPRIGHT TO PVNT LKG. DO NOT ST OR USE NEAR HEAT, SPK, OR FLAME. ST ONLY IN WELL VENT AREAS. PVNT PRLNG/RPTD BRTHING OF VAPOR OR SPRAY MIST. PRLNG OVEREXP CAN CAUSE AN ALLERIC RCTN. IF MSTRE ENTR CNTNR, PRESS (SUPP DATA)

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA APVD RS

PTR APPROPRIATE FOR EXPSR OF

CONCERN . OBS OSHA REG FOR RSPTR USE (29 CFR 1910.134).

OUTDOORS:NIOSH APVD RSPTR FOR PAINT, LACQUER, ENAMEL MISTS & ORGANIC VAPORS. RSTR VENT AREA S:APVD CHEM/MECH FLTR DSGN TO(SUPP DATA)

Ventilation:VENTILATION APPROPRIATE FOR CONDITIONS OF USE.CONSULT INDUSTRIAL HYGIENIST/SAFETY SPECIALIST FOR SPECIFIC GUIDANCE

Protective Gloves:NEOPRENE, RUBBER, POLYETHYLENE, COTTON

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:USE LONG S

LEEVE & LONG LEG CLOTHING. REMOVE
& WASH CONTAMINATED CLOTHING BEFORE REUSE. DO NOT REUSE CONTAMINATED
CLTHG.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR USING
WASHROOM. SMOKE IN SMOKING AREA ONLY

Supplemental Safety and Health

PH & CARCINOGENITY: FP N. BP: (127C-137C) OTHER PREC: CAN BUILD UP DUE
TO REACTION PRODUCING CO*2 WHICH CAN CAUSE A SEALED CNTNR TO BURST.
RESP PROT: RMV A COMB OF PARTICULATES & VAPOR. CONF AREAS: AP VD
AIR LINE TYPE RSPTR OR HOODS (M
FR) CONTAINER SIZE;0.5 PINT. KEY1:F4

===== Physical/Chemical Properties =====

HCC:F3

Boiling Pt:B.P. Text:260F-279F

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Vapor Pres:N/K

Vapor Density:HTA

Spec Gravity:N/K

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:N/K

Percent Volatiles by Volume:30.46

Corrosion Rate:

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

W

ATER, ALCOHOLS, AMINES, STRONG BASES, METAL COMPOUNDS OR SURFACE
ACTIVE MATERIALS.

Stability Condition to Avoid:CONTACT WITH MOISTURE & MATERIALS WHICH
REACT WITH ISOCYANATES, HIGH TEMPERATURE.

Hazardous Decomposition Products:(FIRE):CO*2, CO, OXIDES OF NITROGEN,
TRACES OF HCN, HDI.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE &
FEDERAL REGULATIONS. INCINERATE IN APPROVED FACILITY. DO NOT

INCINERATE CLOSED CONTAINERS.

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